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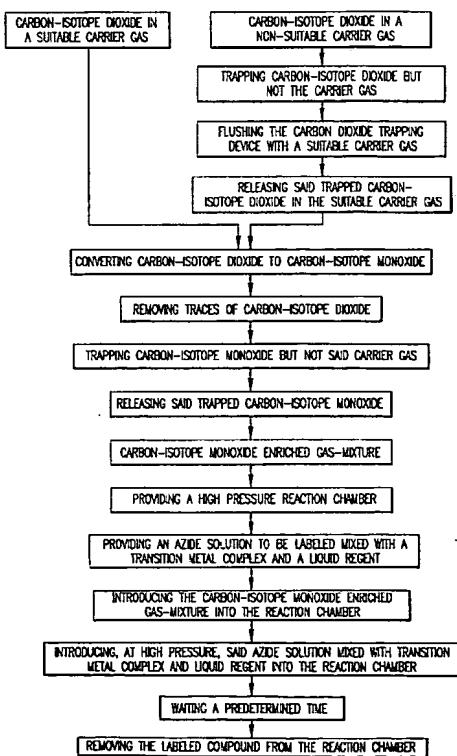
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(54) Title: METHODS FOR CARBON ISOTOPE LABELING SYNTHESIS BY RHODIUM-PROMOTED CARBONYLATION VIA ISOCYANATE USING AZIDES AND CARBON-ISOTOPE MONOXIDE



(57) Abstract: Methods and reagents for rhodium-promoted carbonylation via isocyanate using carbon-isotope labeled carbon monoxide are provided. The resultant carbon isotope labeled compounds are useful as radiopharmaceuticals, especially for use in Positron Emission Tomography (PET). Associated kits for PET studies are also provided.

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